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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): IOELOVICH, Michael et al.

Examiner:

Serial No.: 10/829,460

Group Art Unit:

Filed: April 22, 2004

Title: METHOD OF PRODUCING MICROCRYSTALLINE
CELLULOSE-CONTAINING COMPOUNDS

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO-1449:

1. ☒ listing documents including patents, publications and other information for consideration by the Examiner, however, since the subject application was filed after June 30, 2003, copies of United States patents, and/or United States patent applications, and/or United States patent application publications are not included in this information disclosure statement; and/or
2. ☐ listing documents including patents, publications and other information that have been previously cited or submitted to the Patent Office in prior application U.S. Serial No. _____, filed _____ which is properly identified and relied on for an earlier effective filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance with 37 C.F.R. 1.98(d), copies of such documents are not included in this information disclosure statement; and/or
3. ☐ listing documents including patents, publications, and other information for consideration by the Examiner, copies of which are included with this information disclosure statement;

4. ☐ listing other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

I) ☐ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits of the subject Application or a request for continued examination thereof, whichever event occurs last pursuant to 37 C.F.R. §1.97 (b); or

II) ☒ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R. §1.113 or a notice of allowance under 37 C.F.R. §1.311 whichever occurs first and;

1. ☐ the undersigned hereby states that each item of information listed on the Form PTO-1449 was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to

the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or

2. ☒ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

III) ☐ After the period in (I) and (II) but before the payment of the issue fee and,

1. The undersigned hereby states:

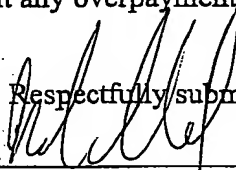
a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

2. ☐ The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

APPLICANTS: IOELOVICH, Michael et al.
SERIAL NO.: 10/829,460
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Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 05-0649.

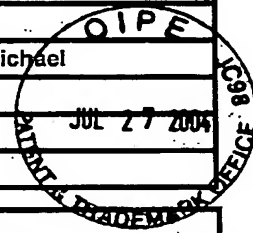

Respectfully submitted,

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Dated: July 25, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Substitute for form 1449A/PTO		Complete if Known	
		Application Number		10/829,460	
		Filing Date		April 22, 2004	
		First Named Inventor		IOELOVICH, Michael	
		Group Art Unit			
Examiner Name					
Attorney Docket Number		P-6768-US			
Sheet	1	of	2		



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A	2,978,446		O. A. Battista et al.	04-04-1961	
	B.	3,251,824		Nguyen, Xuan Truong	04-22-2004	
	C	4,391,973		Cruz, Jr. et al.	07-05-1983	
	D	4,744,987		Mehra, et al.	05-17-1988	
	E	5,123,962		Komuro, et al.	06-23-1992	
	F.	5,192,669		McGinley, et al.	03-09-1993	
	G	5,366,742		Tuason, Jr., et al.	11-22-1994	
	H	5,415,804		Minami, et al.	05-16-1995	
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	J	5,543,511		Bergfeld, et al.	08-06-1996	
	K	6,025,007		Krawczyk	02-15-2000	
	L	6,037,380		Venables, et al.	03-14-2000	
	M	6,228,213		Hanna, et al.	05-08-2001	
	N	6,391,368		Tuason, et al.	05-21-2002	
	O	6,392,034		Trusovs	05-21-2002	
	P	2002/00840044		Jollez, Paul; et al.	07-04-2002	
	Q	2002/0,139,498		Matheson, Jim; et al.	10-03-2002	
	R	6,495,190		Yaginuma, et al.	12-17-2002	
	S	6,541,627		Ono, et al.	04-01-2003	
	T	2003/0,089,465		Schalble, David; et al.	05-15-2003	
	U	2004/0,043,984		Gomi et al.	03-04-2004	
	V	2004/0,074,615		Nguyen, Xuan Truong	04-22-2004	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	W		WO2004/0,011,501		Tsai et al.	02-05-2004		
	X		WO 2004/0,022,601		Sherwood et al.	03-18-2004		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/829,460
		Filing Date	April 22, 2004
		First Named Inventor	IOELOVICH, Michael
		Group Art Unit	
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	P-6768-US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	Y	O.A. Battista, and P.A. Smith, N.M. O.A. "Microcrystalline Cellulose" Industrial and Engineering Chemistry. Vol. 54, No. 9, pp 20-29. (1962).	<input type="checkbox"/>
	Z	A. Battista. "Hydrolysis and Crystallization of Cellulose". Industrial and Engineering Chemistry. Vol. 42, No.3, pp 502-507. (1950).	<input type="checkbox"/>
	AA	O.A. Battista. "Microcrystalline Cellulose". In: Encyclopedia of Polymer Science and engineering. John Wiley & Sons, Inc., 1985. Vol. 3, P. 86-90.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	Date Considered
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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